

WHAT IS CLAIMED IS:

1. A transmitting apparatus, comprising:
a transmission circuit receiving an intermediate frequency signal superposed on a DC voltage, converting the intermediate frequency signal to a microwave signal and outputting;

5 a power supply circuit receiving said DC voltage as an input and supplying power to said transmission circuit;

an input voltage detecting circuit detecting said input DC voltage;

a switch circuit turning on/off the power supplied from said power supply circuit to said transmission circuit; and

10 a control circuit controlling said switch circuit based on a detection output from said input voltage detecting circuit.

2. The transmitting apparatus according to claim 1, wherein said input voltage detecting circuit includes

a reference voltage generating circuit generating a reference voltage,

and

5 a comparing circuit comparing the reference voltage generated from said reference voltage generating circuit with said input DC voltage and outputting a result to said control circuit; and

said control circuit turns on said switch circuit when said input DC voltage is the same or higher than said reference voltage, and turns off said switch circuit when said input DC voltage is lower than said reference voltage.

3. The transmitting apparatus according to claim 2, wherein said comparing circuit is implemented by a Schmidt trigger circuit.

4. The transmitting apparatus according to claim 2, wherein

said control circuit includes a timer circuit counting time of duration of a state where said input DC voltage is lower than said reference voltage, and

5 said control circuit turns off said switch circuit when said timer circuit counts that duration of the state where said input DC voltage is lower than said reference voltage continued for a prescribed time period.

5. The transmitting apparatus according to claim 2, wherein said power supply circuit is implemented by a switching regulator including said switch circuit.

6. The transmitting apparatus according to claim 2, further comprising
an alarm circuit notifying turning off of said switch circuit.

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